



08-30-02

PATENT**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**In re Application of
YU ET AL.

Examiner: UNASSIGNED

Art Unit: UNASSIGNED

Application No.: 09/744,788

Filed: 30 January 2001

Title: **ISOFORMS OF HUMAN CALCIUM
SENSING RECEPTOR**

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**INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. 1.56, 1.97 AND 1.98****RECEIVED**Commissioner for Patents
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Sir:

Applicants submit herewith patents, publications, and other information of which they are aware, which they believe may be material, as defined in 37 C.F.R. 1.56(b), to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 C.F.R. 1.56(a). While the information referred to in this Information Disclosure Statement may be material pursuant to 37 C.F.R. 1.56(b), the filing of this Information Disclosure Statement is not intended to, pursuant to 37 C.F.R. 1.97(h), constitute an admission that any patent, publication or other information referred to is, or is considered to be, material to the patentability of this invention. Pursuant to 37 C.F.R. 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information exists.

- ☒ (a) This Information Disclosure Statement is filed within the period set forth in §1.97(b) because it accompanies the new patent application submitted herewith, is filed within three months of the filing date of a national application or within three months of the date of entry of the national stage as set forth in §1.491 in an international application, or is believed to be filed before the mailing date of a first Office Action on the merits, whichever event occurs last. However, in the event that the first office action has been mailed, the Commissioner is authorized to charge any fees under 37 C.F.R. 1.17(p) or credit any overpayment to Account No. 18-1982.

- ☐ (b) This Information Disclosure Statement is filed after the period set forth in 37 C.F.R. 1.97(b), but is believed to be filed before the mailing date of a final action under §1.113 or a notice of allowance under §1.311, whichever occurs first.
- ☐ (1) The undersigned attorney certifies that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement;
- ☐ (2) The undersigned attorney certifies that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned attorney after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of this statement; or
- ☐ (3) This Information Disclosure Statement is accompanied by a transmittal letter in which payment of the fee set forth in §1.17(p) and required by 37 C.F.R. 1.97(c) is authorized.

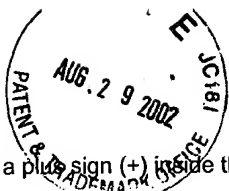
Respectfully submitted,



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Docket No. A2996A US



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1449A/PTO		U.S. Department of Commerce Patent and Trademark Office		Complete if Known	
LIST OF PRIOR ART CITED BY APPLICANT (use as many sheets as necessary)				Application Number	09/744,788
				Filing Date	JANUARY 30, 2002
				First Named Inventor	YIA ET AL.
				Group Art Unit	UNASSIGNED
				Examiner Name	LAKEBRO
Sheet	1	of	2	Attorney Docket Number	A2996A US

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.1	U.S. Patent Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	5,688,938			11-18-1997	
	AB	5,763,569			06-19-1998	

FOREIGN PATENT DOCUMENTS

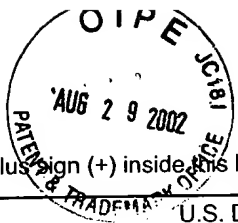
Examiner Initials	Cite No.1	Foreign Patent Document Office ³ Number ⁴	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	AC	WO	94/18959		09-01-1994		

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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two letter code (WIPO Standard ST.3). For ⁴ Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.1 if possible. Applicant is to place a check mark here if English language Translation is attached.

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				Filing Date	JANUARY 30, 2001
				First Named Inventor	PU ET AL.
				Group Art Unit	44566
				Examiner Name	WASBRO
Sheet	2	of	2	Attorney Docket Number	A2996,1 US

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, country, where published, source.	
✓	AD	Oda et al., The calcium sensing receptor and its alternatively spliced form of keratinocyte differentiation, J. Biological Chem. 273(36):23344-23352 (1998)	
✓	AE	Oda et al., A novel alternative splicing of the Calcium Receptor Correlates with Keratinocyte Differentiation, FASEB J. 11(9):A925; Abstract #395 (1997)	
✓	AF	Quarles, Cation Sensing Receptors in Bone: A novel Paradigm for Regulating Bone Remodeling?, J. Bone and Min. Res. 12(12):1971-1974 (1997)	
✓	AG	House et al., Expression of an Extracellular Calcium-Sensing Receptor in Human and Mouse Bone Marrow Cells, J. Bone and Min. Res. 12(12):1959-1971	
✓	AH	Freichel et al., Expression of a Calcium-Sensing Receptor in a Human Medullary Thyroid Carcinoma Cell Line and Its contribution to Calcitonin Secretion, Endocrinology 137(9):3842-3848	
✓	AI	Brown et al., Cloning and Characterization of an Extracellular CA2+ sensing receptor from bovine parathyroid, Nature 366:575-580	
	AJ	Zhou et al., Presenilin 1 Interaction in the Brain with a novel member of the Armadillo Family, NeuroReport 8:2085-2090 (1997)	
✓	AI	BROWN et al., Calcium Ions as Extracellular Messengers, Cell, Vol. 83: 679-682 (1995)	

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